IN THE SPECIFICATION:

Please amend the specification as follows:

Please replace the abstract with the following amended abstract:

A system and method for programmatically generating a graphical program in response to state diagram information. A graphical program generation program (GPG program)~~, may~~ receives the state diagram information and automatically, i.e., programmatically, generates a graphical program based on the state diagram information. The GPG program ~~may~~ programmatically includes graphical source code that ~~may~~ serves as a framework of the states specified by the state diagram information and the state transitions among the states. The graphical source code framework automatically generated by the GPG program ~~may~~ includes various "placeholders" enabling the user to easily fill in the graphical program with source code that specifies execution instructions for each state and Boolean conditions for each state transition. In one embodiment, the graphical program ~~may be~~ is dynamically (programmatically) updated as the state diagram is being interactively constructed by the user.

Please replace the paragraph beginning on page 1, line 13 with the following replacement paragraph:

Traditionally, high level text-based programming languages have been used by programmers in writing application programs. Many different high level programming languages exist, including BASIC, C, J~~ava~~AVA, FORTRAN, P~~ascal~~ASCAL, COBOL, ADA, APL, etc. Programs written in these high level languages are translated to the machine language level by translators known as compilers or interpreters. The high level programming languages in this level, as well as the assembly language level, are referred to herein as text-based programming environments.